

REMARKS

Applicants request favorable reconsideration and allowance of this application in view of the foregoing amendments and the following remarks.

Claims 1-6, 8, 9, 14, 15, 17, 21, 23, and 25-27 are pending in this application, with Claims 1 and 21 being independent. Claims 10, 11, and 13 have been cancelled without prejudice.

Claims 1-6, 8, 9, 14, 15, 17, and 21 have been amended, and new Claims 25-27 have been added. Applicants submit that support for the amendments can be found in the original disclosure. For example, support can be found at least in Figs. 7A - 7C and the corresponding description. Therefore, no new matter has been added.

Applicants appreciate the indication that Claims 15 and 17 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all the limitations of the base claim and any intervening claims. However, Applicants believe that the independent claims are patentable, for the reasons discussed below, and therefore Claims 15 and 17 have not been rewritten in independent form at this time.

Claims 1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 13, 14, 21, and 23 stand rejected under 35.U.S.C. §102(e) as being anticipated by U.S. Patent No. 6,0522,312 (Ohshima, et al.). Applicants respectfully traverse this rejection for the following reasons.

As recited in independent Claim 1, the present invention includes, *inter alia*, the features of (1) an input unit adapted to input a user's instruction indicating a match between (i) a position and/or orientation, which changes according to movement of a mixed reality display device, of indices on a real image input by a real image input unit and

(ii) a position and/or orientation of indices on a virtual image generated by a virtual image generation unit, (2) an acquisition unit adapted to acquire output values from a position and/or orientation sensor according to the input by said input unit, and an operation unit adapted to derive calibration information, based on a predetermined position and/or orientation and the output values of the position and/or orientation sensor acquired by the acquisition unit. Applicants submit that the cited art fails to disclose or suggest at least these features.

Ohshima, et al. discloses calculating a matrix ΔMc for correcting view-transferring matrix S400, which is obtained according to an output value of a sensor 220 as shown in Fig. 16. Specifically, the matrix ΔMc is calculated using the position of a marker on an image, which is detected from a captured real image, and a position on the image estimated by the view-transferring matrix. In other words, the matrix ΔMc is calculated based on positional error on the image. However, since that patent fails to disclose or suggest matching a virtual image of indices and a real image of indices, that patent fails to disclose or suggest at least the above-mentioned features.

As recited in independent Claim 21, the present invention includes, among others, the features of inputting position and/or orientation information from a sensor when a position and/or orientation of indices included in a real image matches a position and/or orientation of a virtual image of the indices, and generating calibration information from the inputted position and/or orientation information and a predetermined position and/or orientation of the indices. For reasons similar to those discussed above with respect to Claim 1, the cited art does not disclose or suggest at least these features.

In view of the foregoing, Applicants submit that independent Claims 1 and 21 are patentable over the cited art. The dependent claims are patentable for at least the same reasons as the independent claims, as well as for the additional features they recite.

In view of the foregoing, Applicants submit that this application is in condition for allowance. Favorable reconsideration, withdrawal of the rejection set forth in the above-mentioned Office Action, and an early Notice of Allowance are requested.

Applicants' undersigned attorney may be reached in our Washington, DC office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Brian L. Klock', is written over a horizontal line.

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